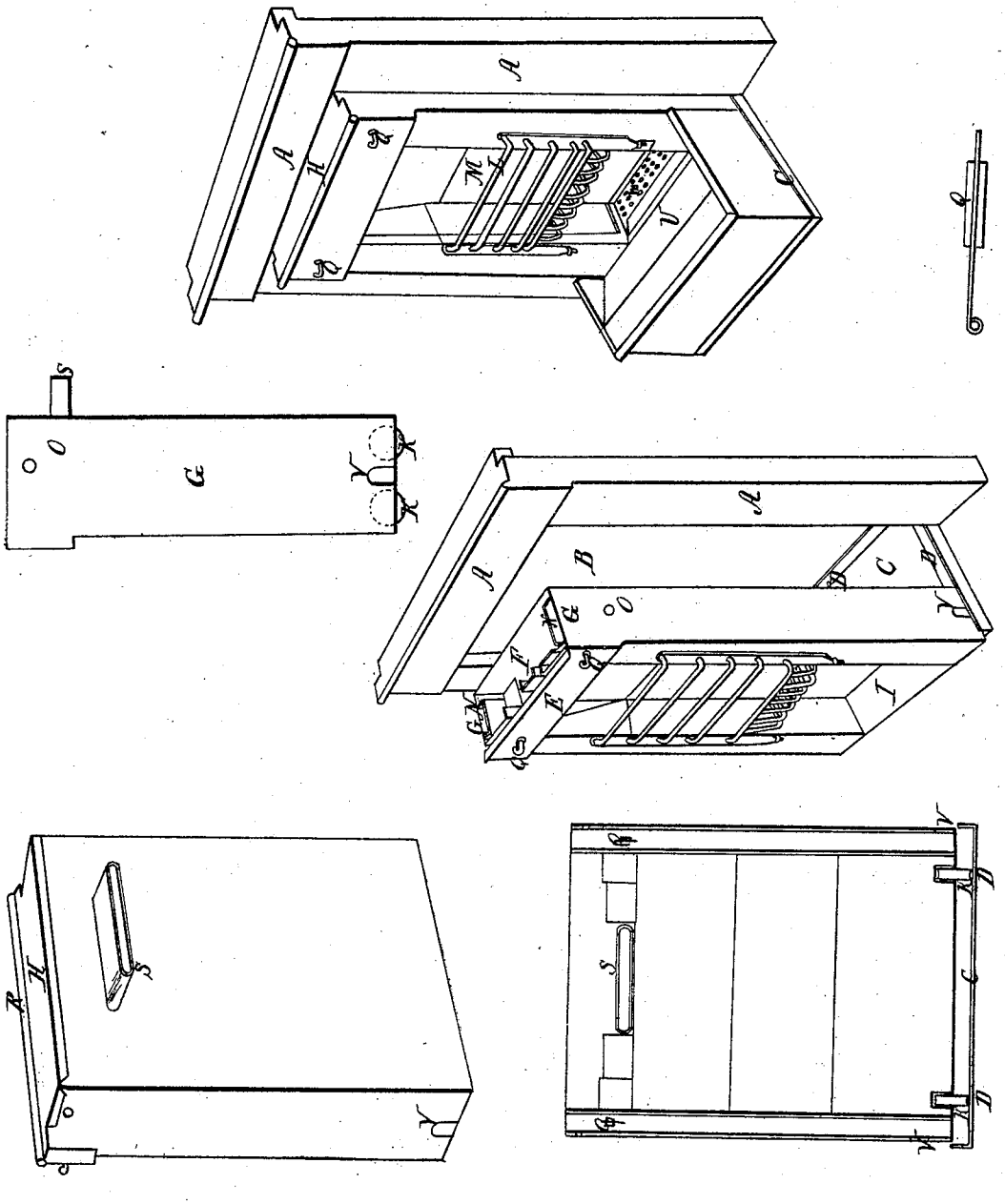
J. WILLIAMSON.

FIRE PLACE.

Patented Nov. 8, 1836.



UNITED STATES PATENT OFFICE.

JAMES WILLIAMSON, OF WASHINGTON, DISTRICT OF COLUMBIA.

PORTABLE FIREPLACE OR GRATE.

Specification of Letters Patent No. 74, dated November 8, 1836.

To all whom it may concern:

Be it known that I, JAMES WILLIAMSON, of Washington city, District of Columbia, have invented a new and useful Improvement in the Construction of Portable Fireplaces for Heating Apartments, called "Williamson's Heat-Graduating and Portable Fireplace" which is described as follows, reference being had to the annexed drawings of the same, making part of this specification.

The principal feature of my improvement consists in constructing a portable fire place, with hot air chambers on the sides moving on wheels, or tracks on ways so that it may be brought as far into the room or run back into the chimney as may be desired in order to increase or diminish the heat at pleasure.

1st. Fireplace finishing.—A finishing of sheet iron is to be constructed around the common fireplace similar to that represented in the annexed drawings and marked A, or in any other style to suit the fancy of the constructor, leaving an opening B, to admit the portable fireplace to recede into the chimney or advance into the room as required having a bottom plate C, resting upon the hearth with its edges turned up at right angles, and riveted to the side finishing of the fire place with iron ribs or ways D, D, placed parallel to each other secured to the bottom plate for the tracks of the portable fireplace to turn on.

2d. Portable fireplace.—The front, E, back, F, sides *a*, top H, and I, of the portable fireplace are made of sheet iron, having four grooved or flanged wheels, K, at the bottom turning on the ways for moving the fireplace in and out. The grate bars L, are made in the usual manner. The place of combustion M, is lined with plates of cast iron, soapstone, fire-brick, or clay. On each side of the fireplace is constructed an air chamber N, in which the cold air is heated, O, O, apertures at the top to admit the heated air into the room, *q*, *q*, valves to regulate the admission or discharge of the air. The top plate of the portable fireplace can be removed at pleasure in order to get at the inside when required to secure any part which may be out of order, by simply drawing off the clamp piece R. The smoke flue is in the rear of the fireplace represented by the letter S., T, ashpan, U hearth, V aperture to admit cold air.

The operation of this improved generator, and distributer is evident from the foregoing description. When a greater degree of temperature is required the fireplace is drawn forward from the chimney into the room, and when a lesser degree is desired it is again run back into the chimney, the valves regulating the admission of the hot air.

I do not claim as new the general construction of the within described grate, or stove with its heated air chambers, valves, or dampers; nor do I claim the mere sliding in and out of such grate or stove so as to cause it to project to a greater or lesser distance into the room, this having previously been done by others, but what I do claim is—

The constructing and fixing a grate, or stove as herein described, as that it may slide in and out within a finishing of sheet iron, or other suitable material as that it shall fit as closely thereto as is compatible with the necessary sliding in and out in the manner, and for the purpose herein set forth.

JAMES WILLIAMSON.

Witnesses:

WM. P. ELLIOT,

WM. BISHOP.